

Data Source with Asthma Content: Behavioral Risk Factor Surveillance System (BRFSS)

The BRFSS is a state level survey of the adult civilian noninstitutionalized population (age 18 and older). It is conducted cooperatively by the states and the Centers for Disease Control and Prevention. The survey tracks health risks in the United States adult population. Information from the survey is used to improve the health of the American people and assess progress toward the Healthy People 2010 goals, which are national health objectives established by the Department of Health and Human Services.

Before 1999, several states included questions about asthma on their BRFSS questionnaire, but the wording of the questions varied among those states. In 1999, an optional two-question adult asthma module was added to the BRFSS, representing the first effort to systematically collect state-based asthma prevalence data. Beginning 2000, the two questions were included in the core of the BRFSS questionnaire and were asked in all participating states and territories.

Beginning with 2001, nine questions on adult asthma history and two questions on child prevalence became available as an optional asthma module. In 2002, the adult and child questions were separated. The nine adult questions became the Adult Asthma History module. In 2005, the ninth question on the adult module, which had asked about taking medication in general, was separated into two questions: one about controller medications and one about rescue medications. The two child questions became the Child Asthma Prevalence module in 2005. In 2005 as well, the Random Child Selection module was added as an additional step before the administration of the Child Asthma Prevalence module.

For each year of BRFSS asthma data, two asthma prevalence measures were constructed. Lifetime asthma is defined as an affirmative response to the question "Have you ever been told by a doctor {nurse or other health professional} that you have asthma?" (through 2010) or "Has a doctor, nurse or other health professional ever told you that you had any of the following:" and "Ever told you had asthma?" (starting 2011). Current asthma is defined as an affirmative response to that latter question followed by an affirmative response to the subsequent question "Do you still have asthma?"

Administered by the National Center for Chronic Disease Prevention and Health Promotion, CDC, conducted by States.

Sampling Frame and Methodology:

- Continuous survey; annual data release
- State level sample
- Telephone interview
- Stratified probability sample, households with telephones among the adult civilian noninstitutionalized population
- Geography: National, 50 States, District of Columbia, United States Territories. Data available for large metropolitan areas (see Selected Metropolitan/ Micropolitan Area Risk Trends: <http://apps.nccd.cdc.gov/brfss-smart/SelMMSAPrevData.asp>)

Respiratory Health Content:

Asthma prevalence, adults 18 and over:

- Lifetime asthma prevalence
- Current asthma prevalence
- Periodic supplements on asthma symptoms, medication use, health care use, severity and control – participating states only

Asthma prevalence, children 17 and younger:

- Lifetime asthma prevalence
- Current asthma prevalence

Website and Data Access Information:

Data: <http://www.cdc.gov/BRFSS/index.htm>

Technical Information: http://www.cdc.gov/brfss/technical_infodata/index.htm

Questionnaire: <http://www.cdc.gov/brfss/questionnaires/questionnaires.htm>

Related Resources:

[Online asthma prevalence tables by geographic location \(state/territory\) and sex, age, race/ethnicity, education, or income:](http://www.cdc.gov/asthma/brfss/default.htm)

<http://www.cdc.gov/asthma/brfss/default.htm>

Interactive Prevalence and Trends Data: <http://apps.nccd.cdc.gov/brfss/>

Chronic Disease Indicator: <http://apps.nccd.cdc.gov/cdi/Default.aspx>

Interactive Maps: <http://apps.nccd.cdc.gov/gisbrfss/default.aspx>

City and County Data and Charts: <http://apps.nccd.cdc.gov/brfss-smart/index.asp>

Publications: <http://www.cdc.gov/asthma/mmwr.html> &

<http://www.cdc.gov/BRFSS/pubs/index.htm>

Behavioral Risk Factor Surveillance System (BRFSS)

Survey Questions													1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Adult Prevalence																										
Did a doctor ever tell you that you had asthma?																										
Have you ever been told by a doctor, nurse, or other health professional that you had asthma?																										
Do you still have asthma?																										
Has a doctor, nurse or other health professional ever told you that you had any of the following:																										
(Ever told) you had asthma?																										
Do you still have asthma?																										
Adult History Module (Participating states vary each year)																										
How old were you when you were first told by a doctor, nurse, or other health professional that you had asthma?																										
DURING THE PAST 12 MONTHS, have you had an episode of asthma or an asthma attack?																										
DURING THE PAST 12 MONTHS, how many times did you visit an emergency room or urgent care center because of your asthma?																										
DURING THE PAST 12 MONTHS, how many times did you see a doctor, nurse, or other health professional for urgent treatment of worsening asthma symptoms?																										
DURING THE PAST 12 MONTHS, how many times did you see a doctor, nurse, or other health professional for a routine checkup for your asthma?																										
DURING THE PAST 12 MONTHS, how many days were you unable to work or carry out your usual activities because of your asthma?																										
Symptoms of asthma include cough, wheezing, shortness of breath, chest tightness and phlegm production when you don't have a cold or respiratory infection. DURING THE PAST 30 DAYS, how often did you have any symptoms of asthma?																										
DURING THE PAST 30 DAYS, how many days did symptoms of asthma make it difficult for you to stay asleep?																										
DURING THE PAST 30 DAYS how often did you take asthma medication that was prescribed or given to you by doctor? This includes using an inhaler.																										
DURING THE PAST 30 DAYS, how many days did you take a prescription asthma medication to PREVENT an asthma attack from occurring?																										
DURING THE PAST 30 DAYS, how often did you use a prescription asthma inhaler DURING AN ASTHMA ATTACK to stop it?																										
Child Prevalence																										
Earlier you said there were [fill in number] children age 17 or younger living in your household. How many of these children have ever been diagnosed with asthma?																										
Does this child/How many of these children still have asthma?																										
Has a doctor, nurse or other health professional ever said that the child has asthma?																										
Does the child still have asthma?																										

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Survey Questions												1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Random Child Selection Module																										
What is the birth month and year of the “Xth” child?																										
Is the child a boy or a girl?																										
Is the child Hispanic or Latino?																										
Which one or more of the following would you say is the race of the child?																										
Which one of these groups would you say best represents the child’s race?																										
How are you related to the child?																										